

**DR-48. SYNTHESIS OF A NEW CLASS OF HETEROARYL
DIPYRAZOLYLCARBOTHIOAMIDES AND HETEROARYL DIPYRAZOLYL
THIAZOLES AND EVALUATION AS ANTIOXIDANTS**

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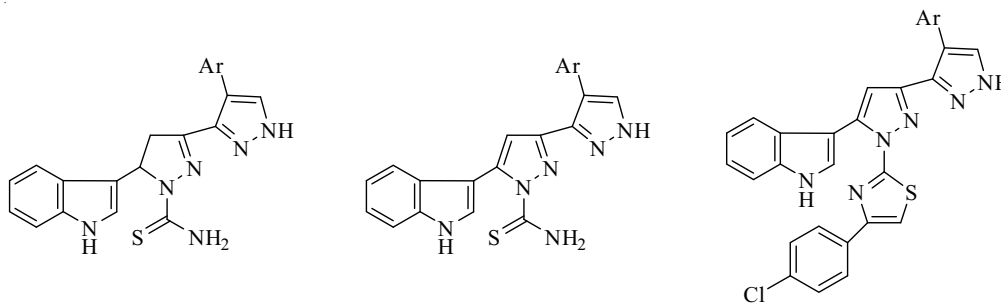
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A new class of indolyl dipyrazoles and indolyl dipyrazolyl thiazoles were prepared from the synthetic intermediate (*E*)-3-(1*H*-indol-3-yl)-1-(4-aryl-1*H*-pyrazol-3-yl)prop-2-en-1-one under ultrasonication. All the compounds were obtained in higher yields and in shorter reaction times under ultrasound irradiation method when compared with the conventional method. The lead compounds were tested for antioxidant activity. Amongst all the tested compounds methyl substituted indolyl dipyrazolyl thiazoles and methoxy substituted indolyl dipyrazolyl thiazoless showed significant antioxidant activity.



Ar = a) Ph
b) 4-Me · Ph
c) 4-OMe · Ph
d) 4-NO₂ · Ph